

**LIP SHIPPED TO ARMSTRONG FLIGHT RESEARCH CENTER (AFRC) FOR SENSING HAZARDS WITH OPERATIONAL UNMANNED TECHNOLOGY (SHOUT)**

**MISSION (email to: [rich.blakeslee@nasa.gov](mailto:rich.blakeslee@nasa.gov) / 256-961-7962):** The Lightning Instrument Package (LIP) was shipped from MSFC on Monday July 6, for integration on a NASA Global Hawk aircraft at AFRC in support of the National Oceanic and Atmospheric Administration-led SHOUT mission. LIP integration is scheduled for the following week. The SHOUT project was started using Hurricane Sandy Supplemental funding to explore the impact of observations from unmanned aircraft on forecasts of high-impact weather events, especially in the potential case of a gap in satellite coverage. SHOUT builds directly upon the NASA sponsored Hurricane and Severe Storm Sentinel (HS-3) Earth Venture experiment that just concluded. The MSFC lightning team will support SHOUT by providing atmospheric electrical observations, as well as aircraft hazard avoidance of potentially dangerous electrical conditions that may develop above the storms overflown. The observation phase of SHOUT starting August 24 will base from Wallops Flight Facility and target Atlantic hurricanes.

**PLANNING, CHAIRING, AND PRESENTATIONS AT WEATHER ANALYSIS AND FORECASTING/NUMERICAL WEATHER PREDICTION CONFERENCE**

**(email/call: [andrew.molthan@nasa.gov](mailto:andrew.molthan@nasa.gov)/256-961-7474; [brad.zavodsky@nasa.gov](mailto:brad.zavodsky@nasa.gov)/256-961-7914).** Andrew Molthan (ZP11) and Bradley Zavodsky (ZP11) attended the American Meteorological Society (AMS) sponsored 27<sup>th</sup> Conference on Weather Analysis and Forecasting/23<sup>rd</sup> Conference on Numerical Weather Prediction in Chicago, IL on June 29-July 3. Dr. Molthan is the chairperson for the AMS Weather Analysis and Forecasting Committee and acted as program committee co-chair; Mr. Zavodsky was a member of the program committee. Both chaired sessions as part of the conference. Dr. Molthan gave a presentation on multispectral imagery and a presentation on disasters activities. Mr. Zavodsky gave two presentations on modeling and data assimilation activities. The conference was attended by researchers from domestic and international government agencies and universities along with a number of operational weather forecasters.